



PART Nr. / NUMERO DE PARTE: 1LE21211CA314EA3

TYPE / TIPO: GP100A

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

ABB								IE3	
TYPE:	GP100A	PART Nr:	1LE21211CA314EA3	184TC	IP 55	3PH	TEFC	NEMA B	
BEARINGS			SERIAL Nr.				CONTINUOUS DUTY		
D.E.	30BC02JPP3		INSUL. CL:	F	KVA:	J	WEIGHT	73 lbs.	
O.D.E.	30BC02JPP3		AMB. TEMP.:	40°C	T.RISE:	CLASS B		EFFICIENCY	
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
5	3.73	3505	230/460	12.0/6.0	60	1.15	13.8/6.9	88.5	86.5
3	2.24	2945	200/400	8.6/4.3	50	1.15	9.9/5	85.9	--
CONNECTION									
VFD COMPATIBLE AT 1.0 S.F. 20:1 V.T., 4:1 C.T.									
Low Voltage					High Voltage				
Made in Mexico by ABB NEMA MOTORS									

\*\*Actual nameplate will include certification marks for ex: UR, DOE, CE, CSA, NEMA PREMIUM, etc.

\*\*La placa de datos del motor incluye logos de certificación, por ejemplo: UR, DOE, CE, CSA, NEMA PREMIUM, etc.



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**Data sheet for three-phase Squirrel-Cage-Motors / Hoja de datos de Motores Trifásicos Jaula de Ardilla**

U [V]	$\Delta / Y$	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	$T_A/T_N$ LRT [%]	$T_K/T_N$ BDT [%]
						4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2			
230/460	YY / Y	60.0	5.0	3.7	3505.0	12.0/6.0	9.2/4.6	6.8/3.4	4/2	92/46	88.5	89.1	88.2	88.2	85.9	78.1	7.5	170.0	420.0
200/400	YY / Y	50.0	3.0	2.2	2945.0	8.6/4.3	7/3.5	5.7/2.8	4.2/2.1	90/45	85.9	85.6	83.9	82.7	76.3	64.4	5.3	317.7	590.3
Frame 184TC			Type of constr.: C - FLANGE WHIT FEET			CONTINUOUS DUTY			INSUL. CL: F			WHITOUT WINDING PROTECTION			NEMA B		S.F. 1.15		
Mtr WT: 73 lbs.			Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE			T.RISE: CLASS B			AMB. TEMP.: 40°C			KVA: J		IP 55					

**Mechanical data / Datos Mecánicos**

**WK2**

Rotor Moment of Inertia: 0.18 lb-ft<sup>2</sup>

Ext Load Inertia Capability: 5.7 lb-ft<sup>2</sup>

**Safe Stall Time**

Hot: 15 Sec

Cold: 29 Sec

**Typical Noise Data**

**A-weighted Sound**

Sound Pressure: 69 dB(A)

Sound Power: 81 dB(A)

Octave Band Center Frequencies Hertz: This values are for the standard bearing configuration.

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	49	61	66	64	60	50	dB(A)

**Bearings / Baleros**

	DE	NDE
Bearing size:	30BC02JPP3	30BC02JPP3

**Ventilation Type / Tipo de Ventilación**

Type of Cooling: TEFC Fan Material: Polypropylen

Fan Rotation: Bidirectional

**Grease / Grasa**

Type: Mobil Polyrex

Thickener: Polyurea (Standard)

**Frame / Armazón**

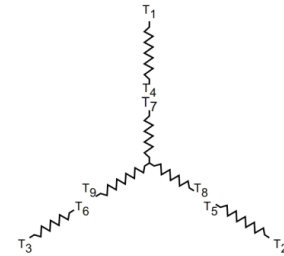
Frame material: Cast Iron

Coating (paint finish): Standard Alkyed + Epoxy (C2)

Color, paint shade: Dark Charcoal Gray Metallic

**Terminal box / Caja de Terminales**

Terminal box position: Conduit Box (Entry from feet)



**3 PHASE - 9 LEAD - WYE**

VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T <sub>1</sub> T <sub>7</sub>	T <sub>2</sub> T <sub>8</sub>	T <sub>3</sub> T <sub>9</sub>	T <sub>4</sub> T <sub>5</sub> T <sub>6</sub>	YY
HIGH	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub> T <sub>7</sub> -T <sub>5</sub> T <sub>8</sub> -T <sub>6</sub> T <sub>9</sub>	Y

**Wiring diagram**

**Additional information.**

VFD Operation (V.T.) :	20:1
VFD Operation (C.T.) :	4:1
Area Classification:	--
Hazardouz Classification:	--
Hazardouz Classification:	--
Temp. Code:	--